

FIG. 1

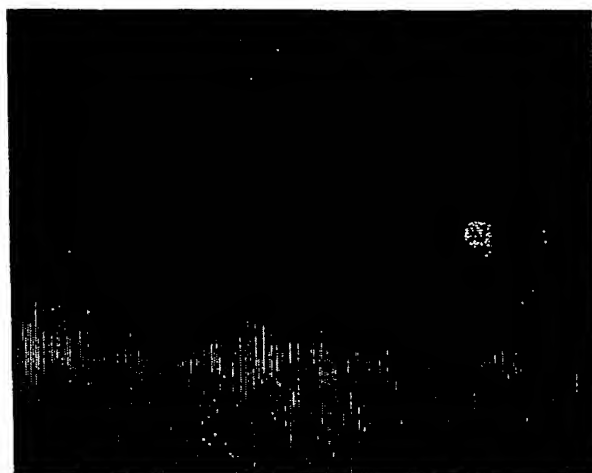


FIG. 2

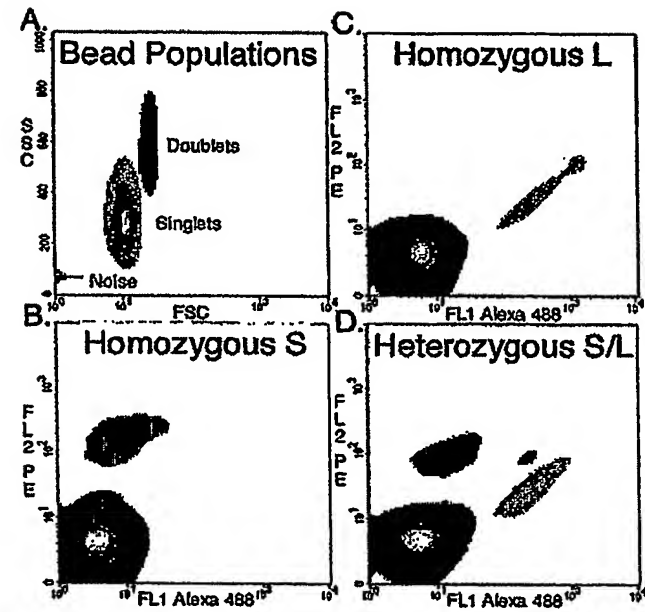


FIG. 3

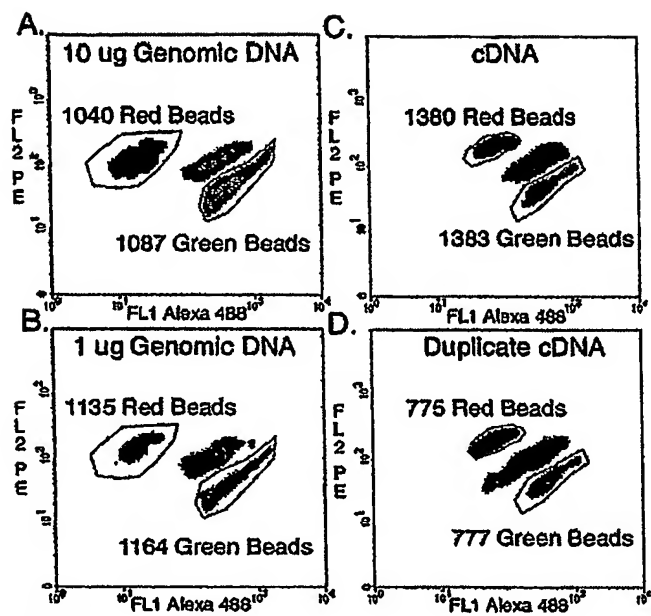
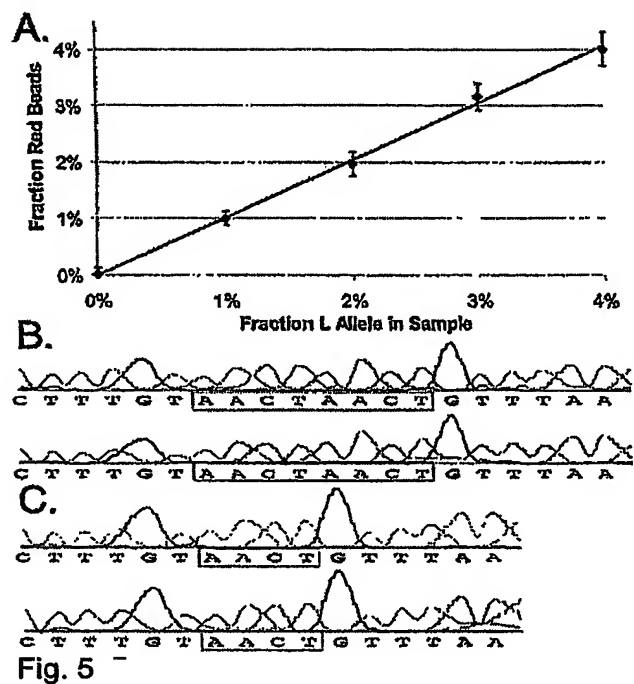


FIG. 4



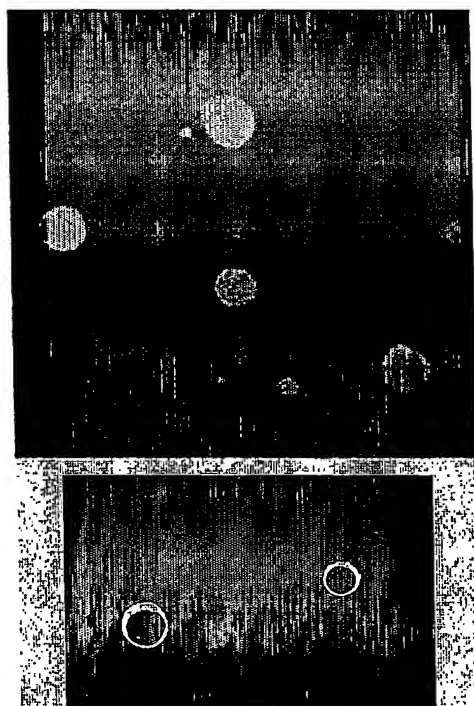


FIG. 6

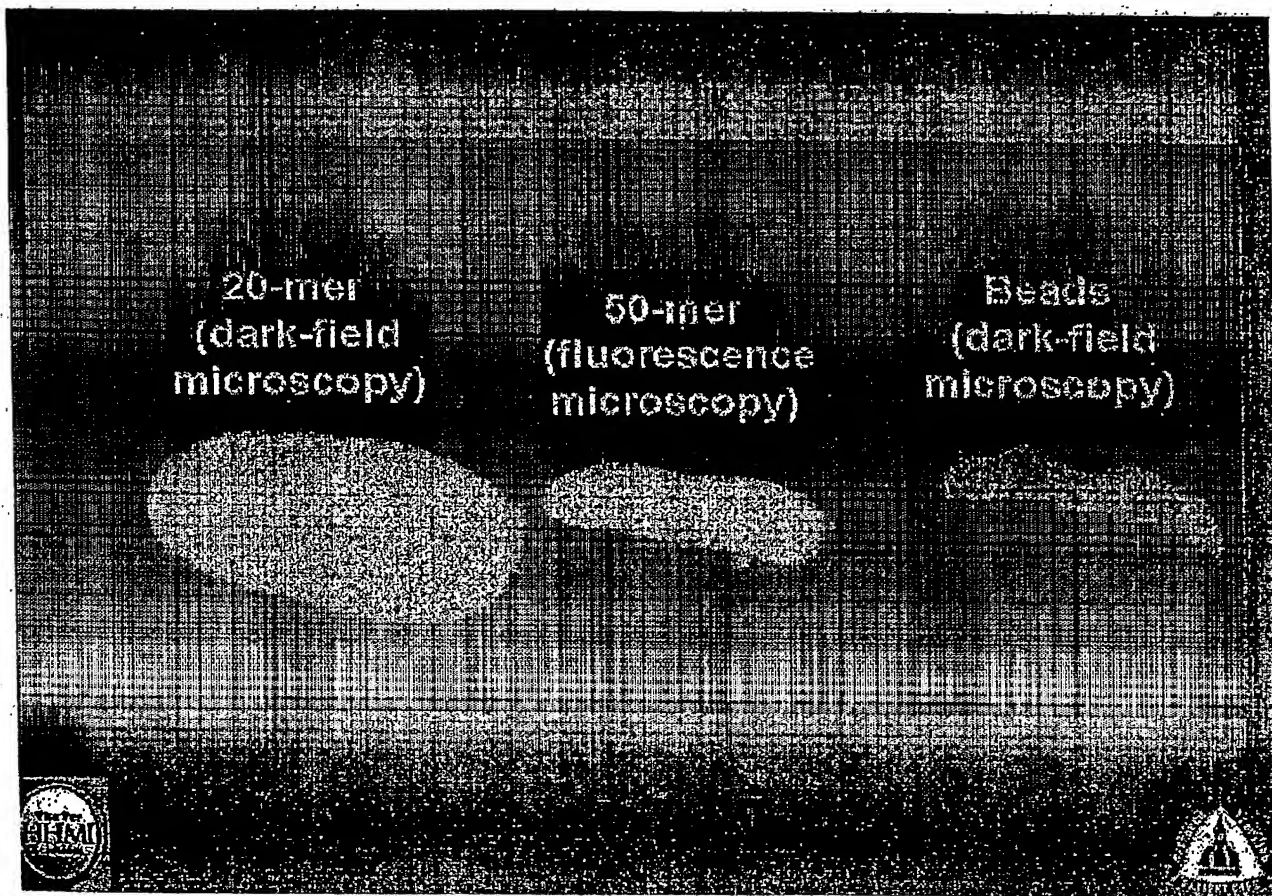


FIG. 7

Fig. 8. Oligonucleotides

Locus	Oligonucleotide*	Modification	Use**
MID42	5'-tactatgtattatacgttaagacctctatgaatgaatga	5' Dual biotin	Bound to Beads
MID42	5'-cgttaagacctctatgaatgaatga	none	Forward Primer for PCR
MID42	5'-gaaaggtaagtacagggaagg	none	Reverse Primer for PCR
MID42	5'-cacgcagattgaattaaacAGTTagtacaaagacacgtg	5' 6-FAM	Hybridization probe for L allele
MID42	5'-cacgcagattgaattaaacagttacaaagacacgtg	5' Biotin	Hybridization probe for S allele
Palp1n-10	5'-aggtcccagaggggtggaaggagccaggacgcacccccactgctgctg	5' Dual Biotin	Bound to Beads
Palp1n-10	5'-aggtcccagaggggtggaag	none	Forward Primer for PCR
Palp1n-10	5'-ttcgatggctcactgtgaag	none	Reverse Primer for PCR
Palp1n-10	5'-cacggtagggtgctTgcaggcagcgtg	5' 6-FAM	Hybridization probe for A allele
Palp1n-10	5'-cacggtagggtgccCgcaggcagcgtg	5' Biotin	Hybridization probe for G allele
KRAS2	5'-ttcgtccacaaaatgattctgaattagctgtatcgtaagg	5' Dual Biotin	Bound to Beads
KRAS2	5'-agaatggctcctgcaccagtaa	none	Reverse Primer for PCR
KRAS2	5'-catgttctaataatagtcacatttca	none	Forward Primer for PCR
KRAS2	5'-cacgggagctGGTGGCgtagcgtg	5' 6-FAM	Hybridization probe for wt allele
KRAS2	5'-ccacgggagctgatggcgtagcgtg	5' Biotin	Hybridization probe for mutant allele

\*Bases in upper case represent allelic differences. SEQ ID NOS: 3-17, respectively.

\*\*Hybridization probes each contained 4 bases at their 5' and 3' ends to form hairpins, as explained in the text.